

Reply to Office Action of February 6, 2008

IN THE CLAIMS

The Claims are not amended. They are presented here for the Examiner's convenience.

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (Previously Presented): A process for the manufacture of 1,2-epoxy-3-chloropropane comprising reacting allyl chloride and hydrogen peroxide in an epoxidation medium comprising at least one liquid phase and in the presence of a catalyst comprising a zeolite, wherein the pH of the liquid phase is controlled and maintained at a value of greater than or equal to 1.5 and less than 4.8.

Claim 12 (Previously Presented): The process according to Claim 11, wherein the pH of the liquid phase is maintained at a value from 1.75 to 4.5.

Claim 13 (Previously Presented): The process according to Claim 12, wherein the pH of the liquid phase is maintained at a value from 2 to 4.2.

Claim 14 (Previously Presented): The process according to Claim 11, wherein the allyl chloride comprises less than 2000 ppm of 1,5-hexadiene.

Claim 15 (Previously Presented): The process according to Claim 11, wherein the reaction is carried out at a temperature from 45 to 80°C.

Claim 16 (Previously Presented): The process according to Claim 11, wherein the amounts of allyl chloride and hydrogen peroxide are such that the molar ratio allyl chloride/hydrogen peroxide is from 2 to 7.

Claim 17 (Previously Presented): The process according to Claim 21, wherein the solvent comprises methanol.

Claim 18 (Previously Presented): The process according to Claim 11, wherein the catalyst comprises TS-1.

Claim 19 (Previously Presented): The process according to Claim 11, wherein the catalyst is present in the form of a fluid bed.

Claim 20 (Previously Presented): The process according to Claim 11, wherein the reaction is carried out in a loop reactor comprising recirculation of the epoxidation medium.

Claim 21 (Previously Presented): The process according to Claim 11, wherein said epoxidation medium further comprises a solvent.

Claim 22 (Previously Presented): The process according to Claim 11, wherein said epoxidation medium comprises a single liquid phase.

Claim 23 (Previously Presented): The process according to Claim 11, wherein said epoxidation medium comprises two liquid phases.

Claim 24 (Previously Presented): The process according to Claim 11, wherein said at least one liquid phase comprises water.

Claim 25 (Previously Presented): The process according to Claim 22, wherein said single liquid phase comprises water.

Claim 26 (Previously Presented): The process according to Claim 23, wherein a first liquid phase comprises said hydrogen peroxide and a second liquid phase comprises said allyl chloride.